

New York State Department of Transportation

Yellow Flag NB2228W024

By: Ben Colangelo
Flag Date: April 11, 2022

Superseding Information:
This flag supersedes: YF NB2122W037

Structure Information

BIN: 1065318
Feature Carried: 278I278IX2M23027
Feature Crossed: 6TH AVENUE
Orientation: 8 - NORTHWEST
Region: 11 - NEW YORK CITY
County: KINGS
Political Unit: City of NEW YORK
Approximate Year Built: 1962
Posted Load Matches Inventory : Yes
Bridge Load Posting (Tons) : Not Posted for Load
Primary Owner: New York State Department of Transportation
Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party
Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder
This Bridge is not a Ramp
Number of Spans: 322

Verbal Notification Information

Person Notified: Heinz Joachim, P.E.
Date: April 11, 2022 12:30:00 PM
Of: NYSDOT Region 11

Signature Information

Signature: Ben Colangelo, P.E. 068498
Date: June 09, 2022
Reviewed By: Robert Kemp
Date: June 09, 2022

Attachments: 6

Flagged Elements

Parent Element	Element	Total Quantity	Unit
Span Number : 236			
	107 - Steel Open Girder/Beam	989	ft
	PR831 - Steel Beam End	42	each

Flagged Condition Description

This Yellow Flag No. NB2228W024 supersedes Yellow Flag No. NB2122W037.

Location: Span 236 Girder G1 at Pier 236.

Description: The left clip/connection angle at Girder G1 connection to the pier cap at Pier 236 exhibits a 3" long x 1/2" wide vertical corrosion crack at the lower fillet section. In addition, the right vertical stiffener/connection angle is heavily corroded and has a 4" wide x 1-1/2" high hole at the base and a 2" wide x 1" high corrosion hole at the top of the stiffener.

There has been no significant change since previous inspection.

Notes:

1.The affected member, Girder G1 is a load path redundant steel girder consisting of a web depth of 21.30" inches and thickness of 0.608 inches and is located under the deck in the roadway, approximately 12" off the edge of curb line/safety walk.

2.The adjacent Girder (right) G2 is 5'-3" on center has repair plates in good condition.

3.The adjacent Stringer (left side) S1, approximately 24" on center has corrosion at the top of the right bottom flange angle with 3/16" deep section loss 12" L x 1" wide.

4.A double lane closure on 3rd Avenue Westbound with shadow vehicle and a 35' bucket truck is required to access the flagged location.

Flag Photographs

Photo Number: 1

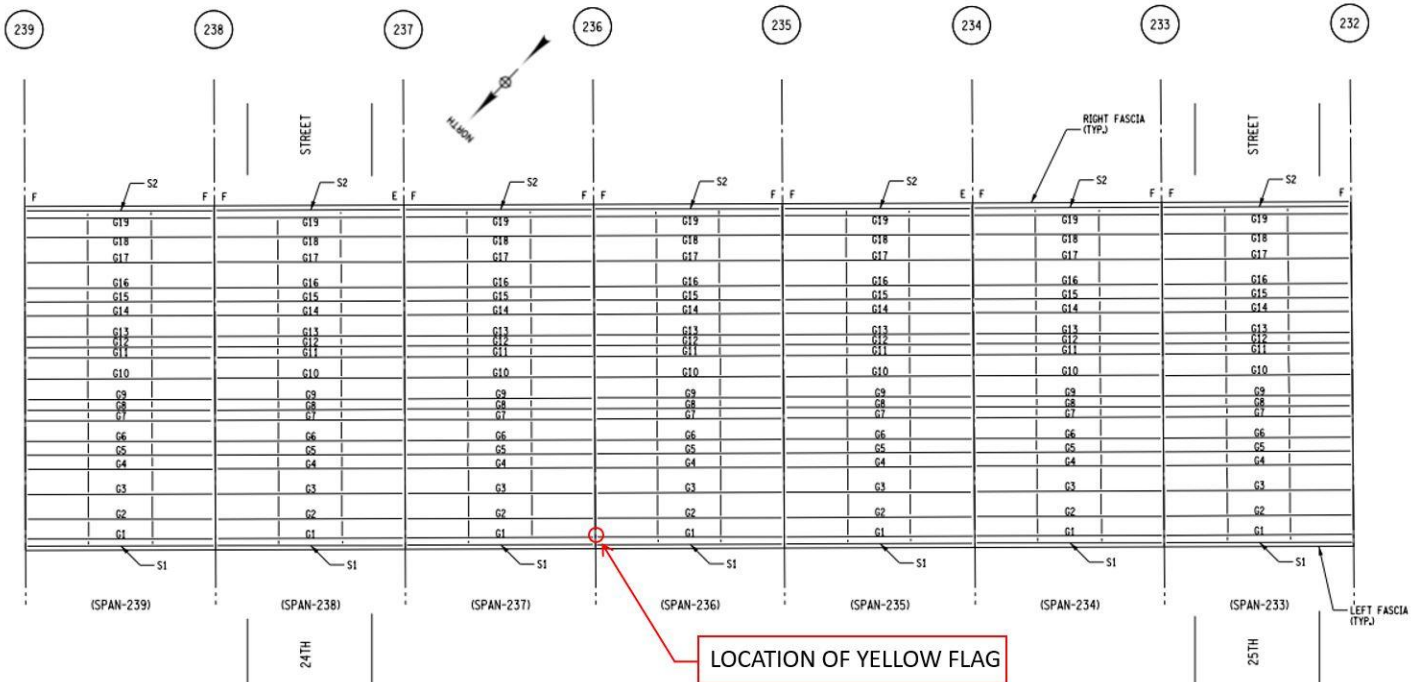
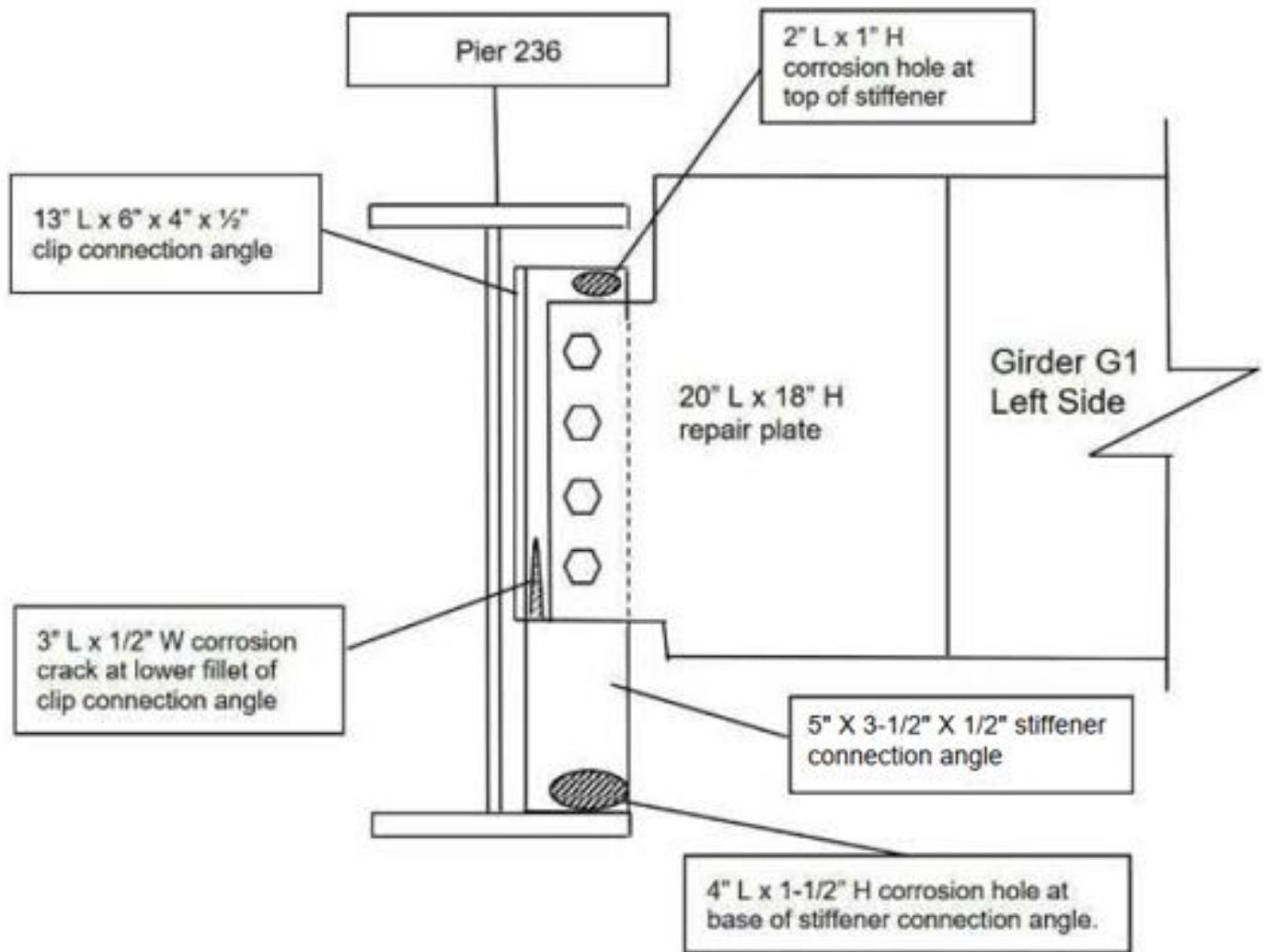
Photo Filename: **FRAMING PLAN.JPG****Attachment Description: BIN 1065318, Framing Plan, Span 236**

Photo Number: 2

Photo Filename: YELLOW FLAG SKETCH.jpg



Span 236, Left side of Girder G1 at Pier 236 – Looking Right

Attachment Description: Sketch of Girder G1 at Pier 236

Photo Number: 3

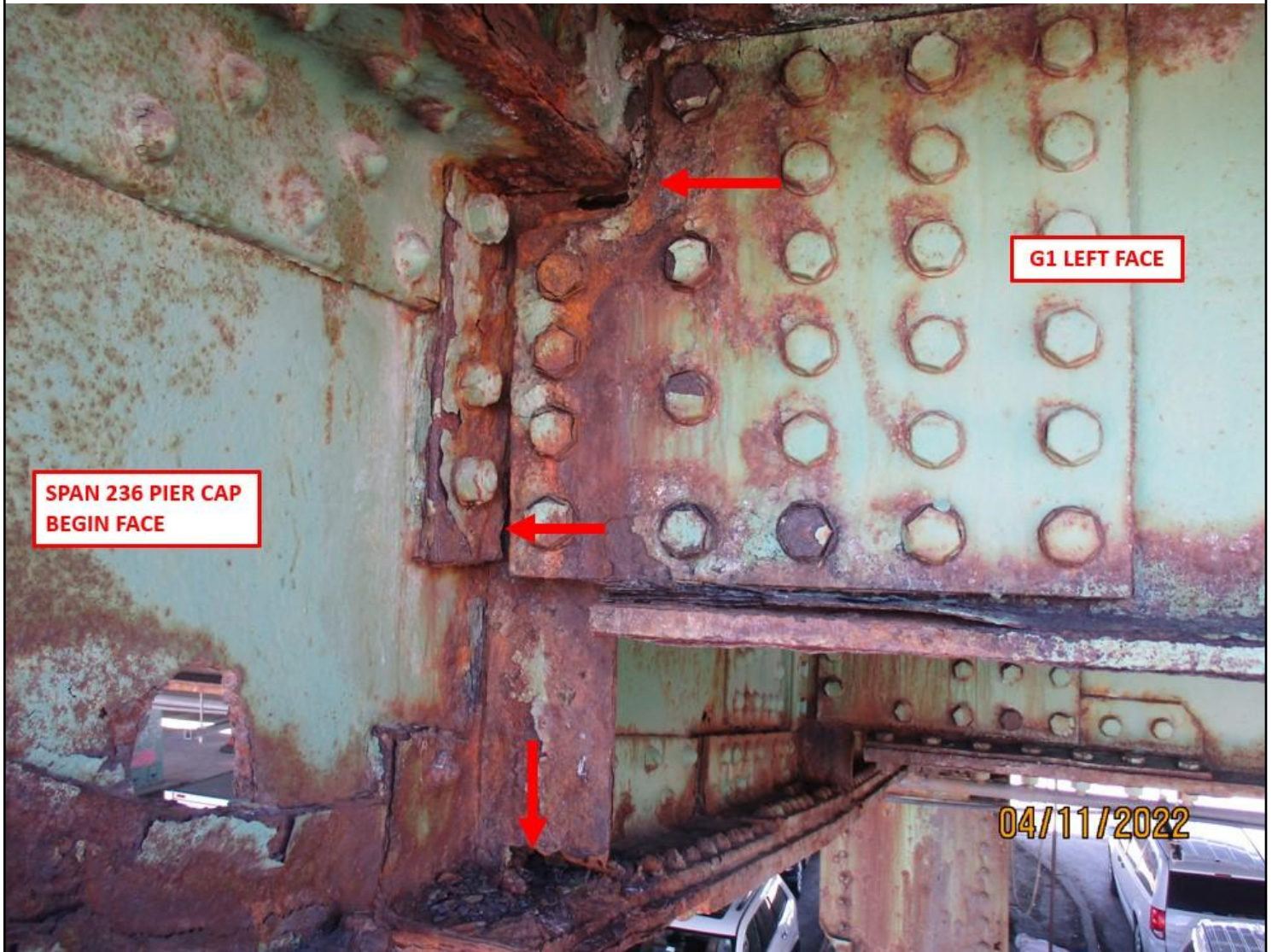
Photo Filename: Photo 1-edit.jpg



Attachment Description: Span 236, Girder G1 at Pier 236 - General Framing at Flagged Location - Looking End.

Photo Number: 4

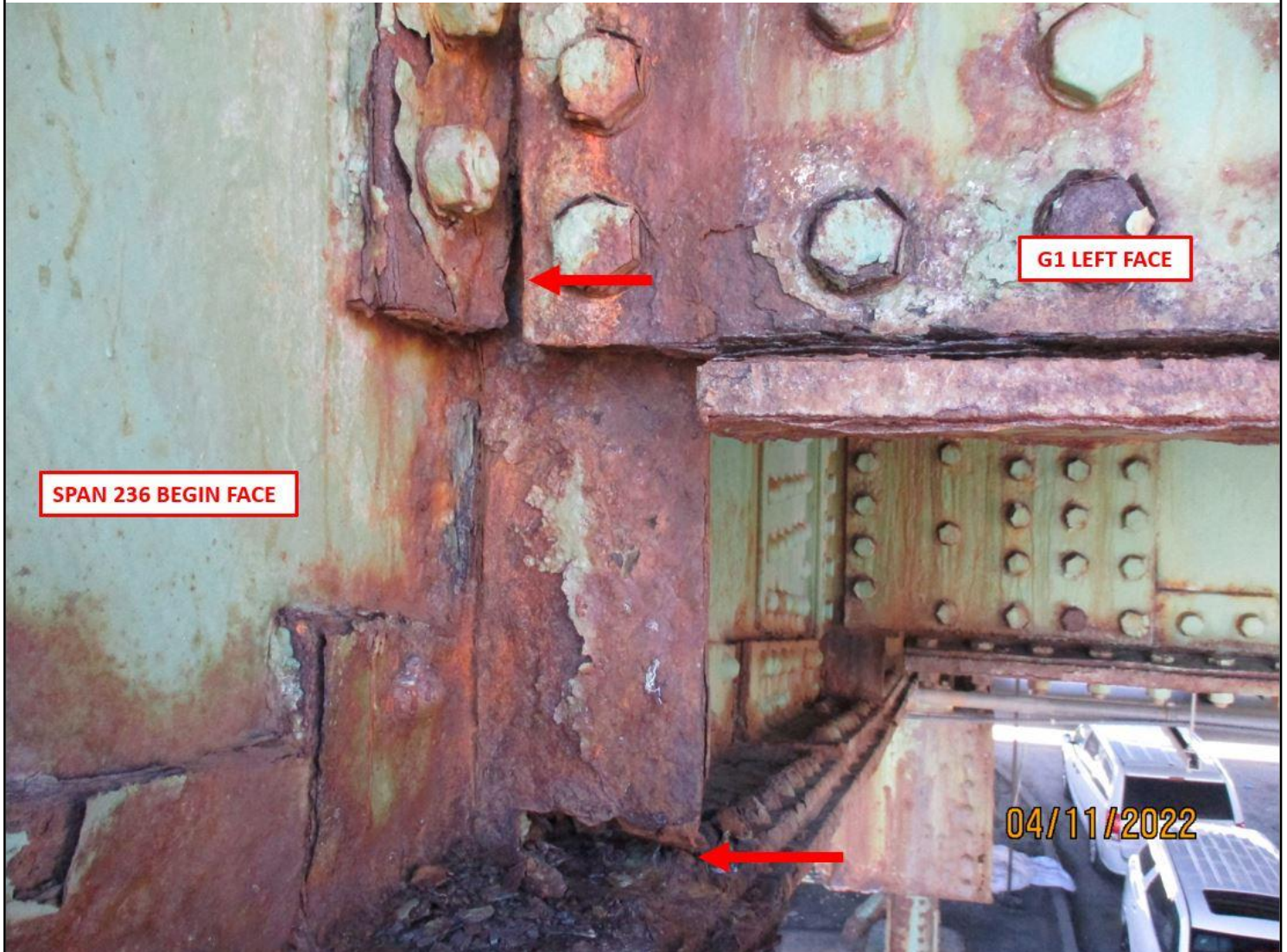
Photo Filename: Photo 2-edit.jpg



Attachment Description: Span 236, Girder G1 at Pier 236 - General View of Flag Location showing the 3" L x 1/2" W vertical corrosion crack in the left clip/connection angle and the corrosion holes at the upper and lower sections of the right side vertical stiffener/connection angle. Looking Right.

Photo Number: 5

Photo Filename: 316-3781.JPG



Attachment Description: Span 236, Girder G1 at Pier 236 - Close up view of 3" L x 1/2" W vertical corrosion crack at lower fillet section of left clip connection/angle and 4" L x 1-1/2" W corrosion hole at base of the right side vertical stiffener/connection angle. Looking Right.

Photo Number: 6

Photo Filename: 316-3793.JPG



Attachment Description: Span 236, Girder G1 at Pier 236 - Close up view of 3" L x ½" W vertical corrosion crack at lower fillet section of left side clip/connection angle. Looking Right.